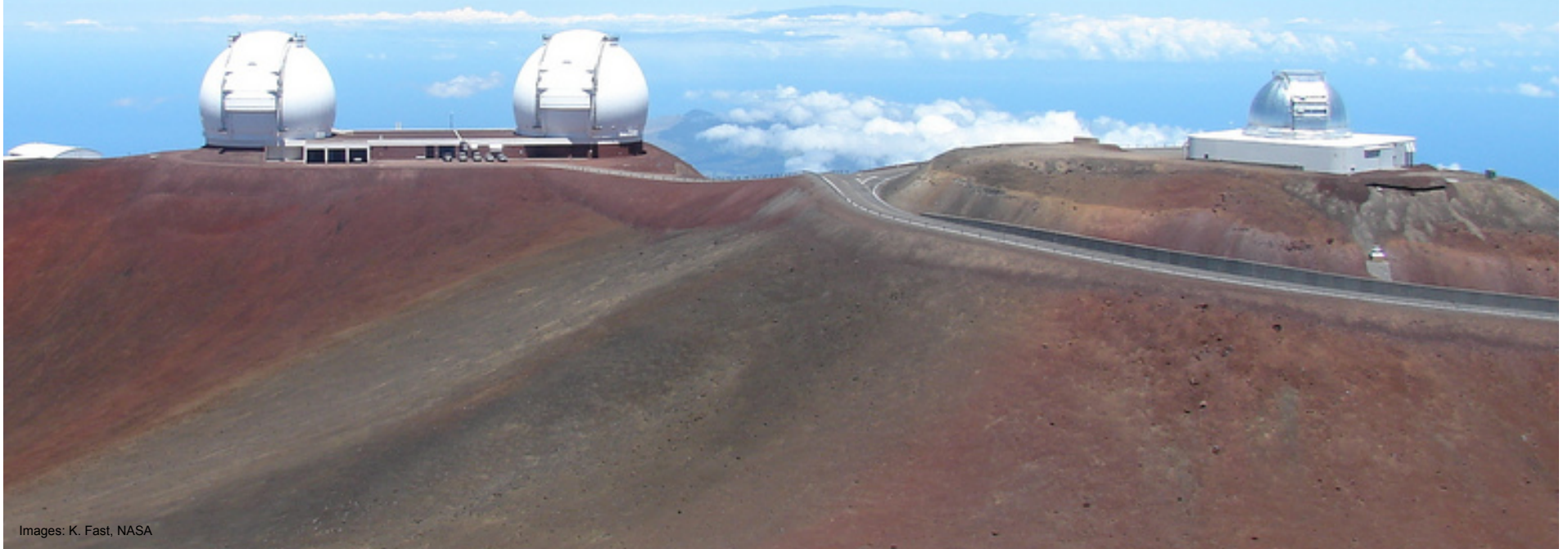


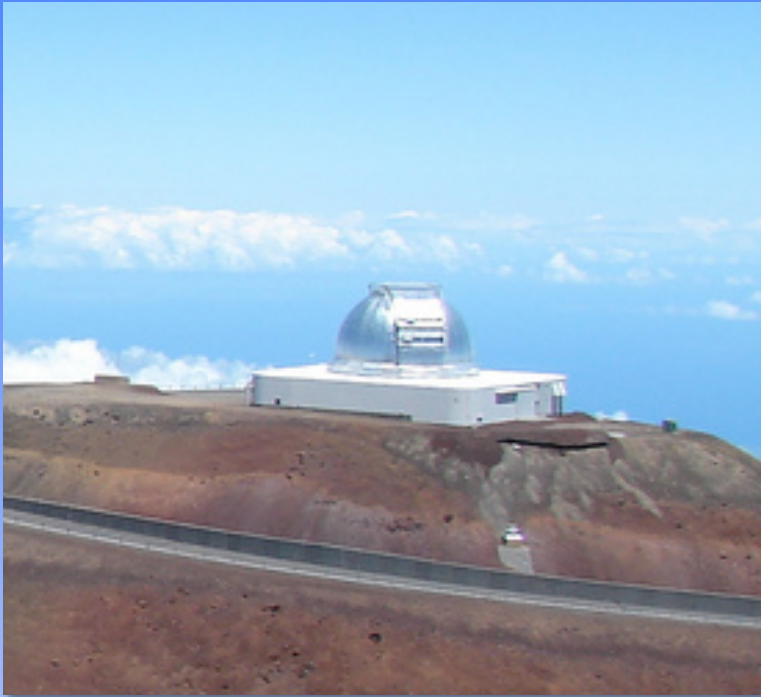


# Facility Availability for Planetary Science

Kelly Fast (NASA/HQ)



# NASA Infrared Telescope Facility (IRTF)

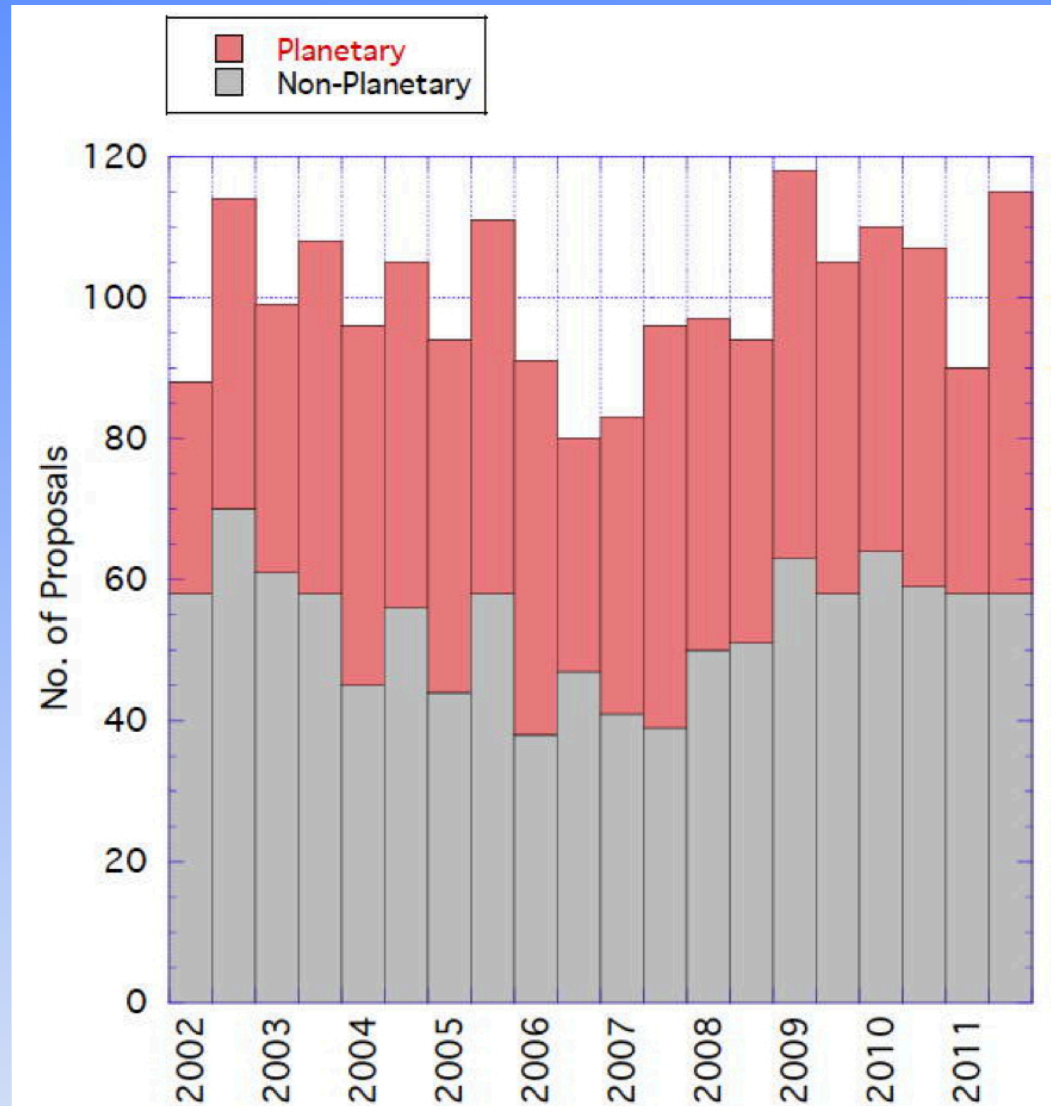


- Established by NASA in 1979 to support NASA missions, objectives
- Dedicated IR observing capability for the planetary community
- Facility instruments and visitor instruments
- ~50% of available time assigned to mission support and planetary observations



# NASA Infrared Telescope Facility (IRTF)

## Proposals Submitted, 2002-2011







# NASA Infrared Telescope Facility (IRTF)

## Distribution of Proposals (2011B)

(proposals, not nights)

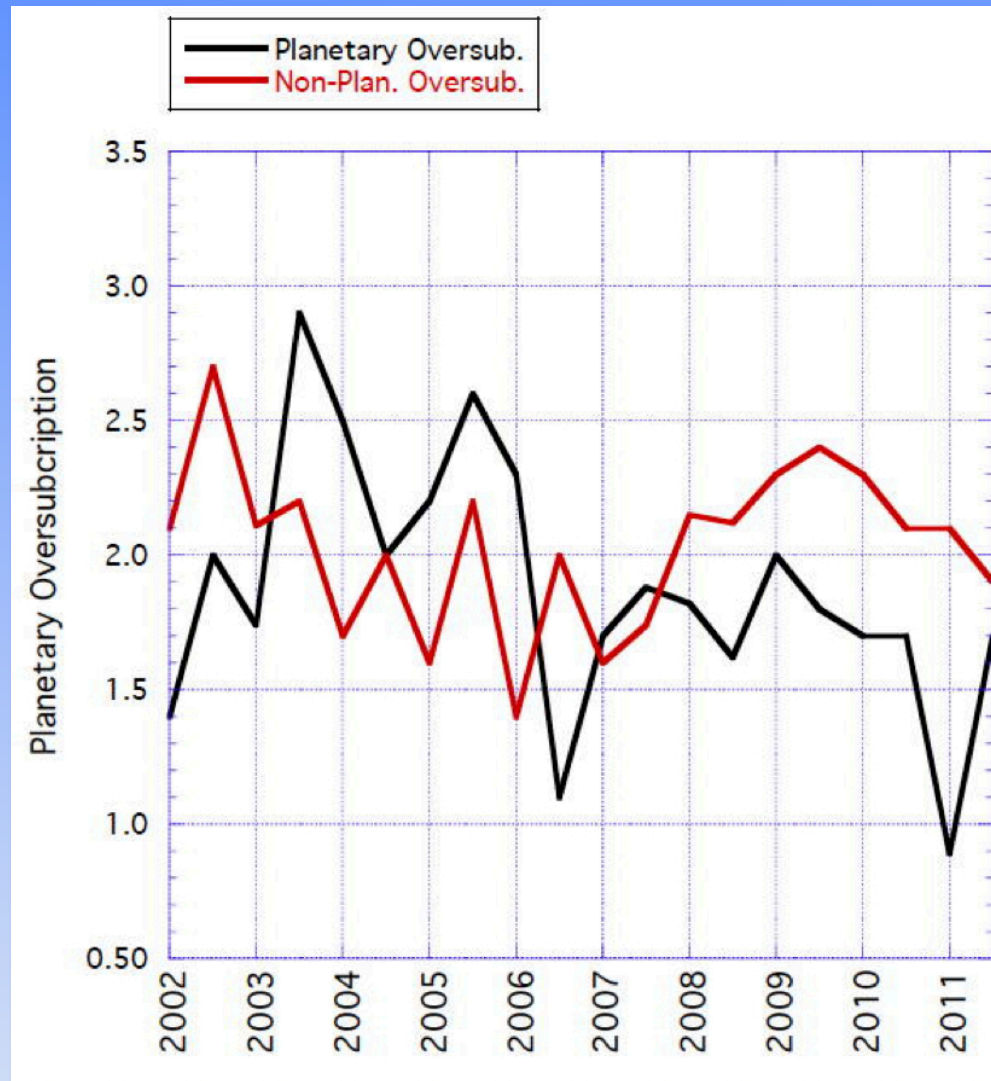
		last semester
Solar System:	55	29
Long-Term Planetary:	2	3
Extrasolar:	12	10
Galactic/Interstellar Medium:	7	7
Stellar:	28	34
Extragalactic:	11	7
TOTAL	115	90





# NASA Infrared Telescope Facility (IRTF)

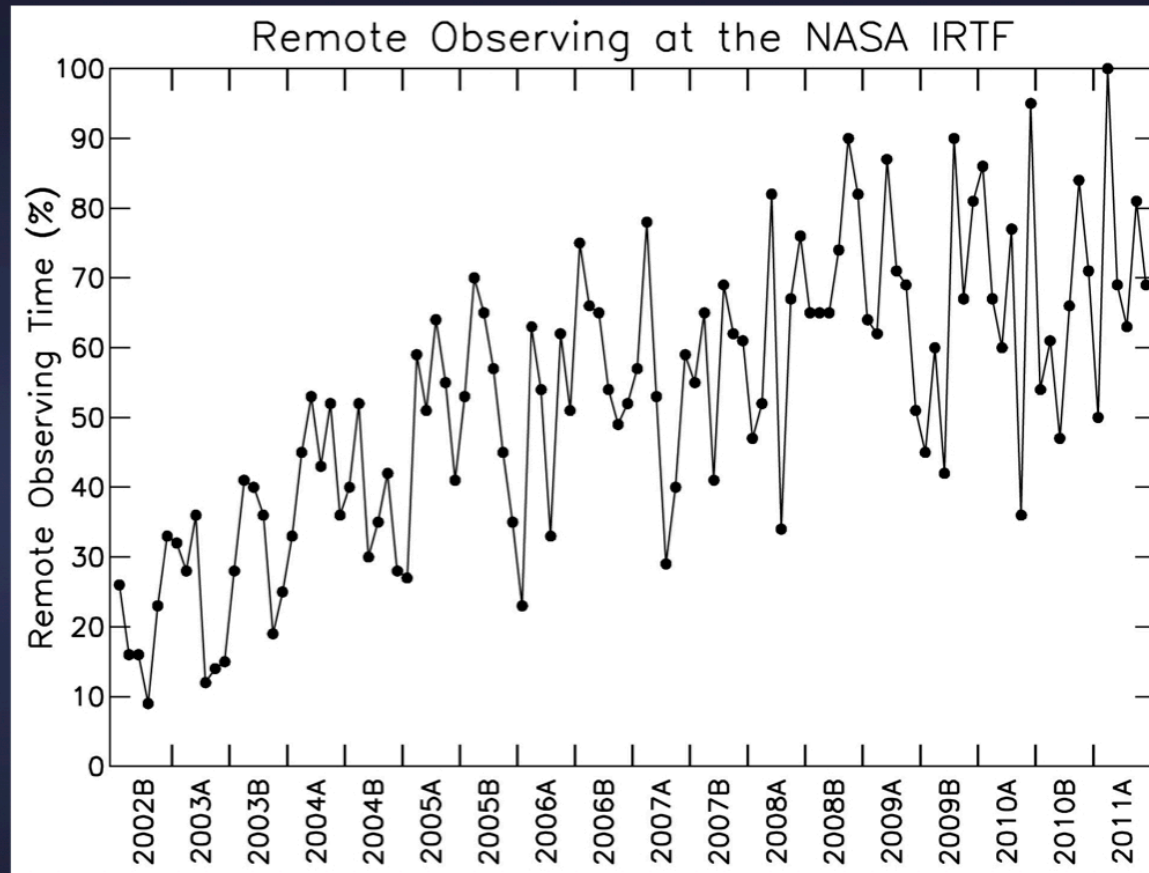
## Oversubscription, 2002-2011





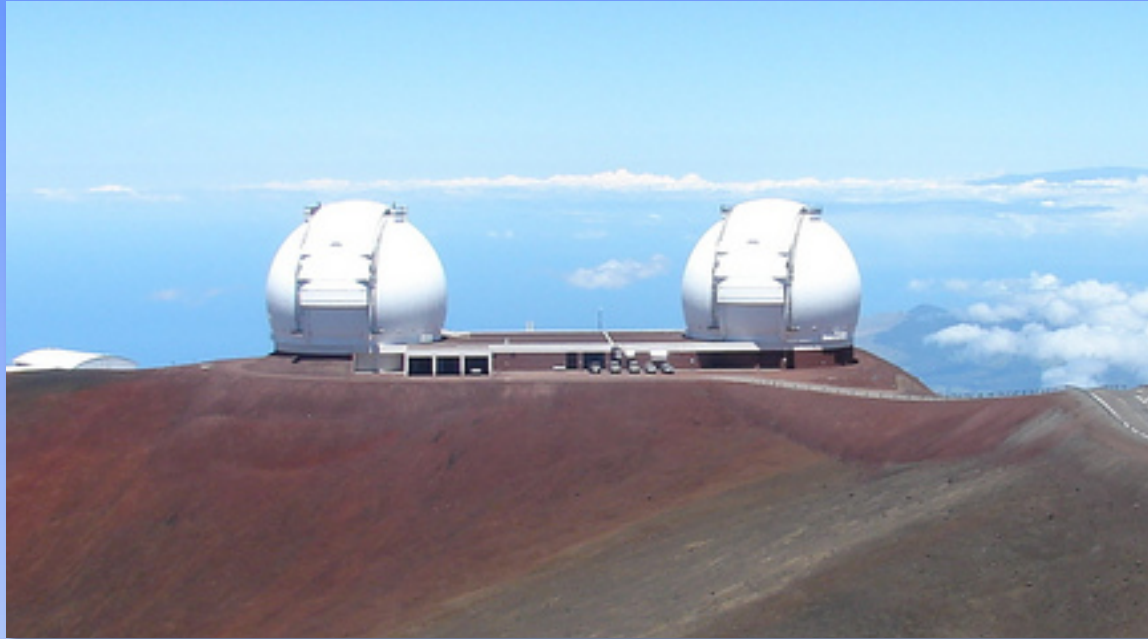
# NASA Infrared Telescope Facility (IRTF)

## Remote Observing, 2002-2011



The average percentage of telescope time used by remote observers has plateaued at about 70%, though month-to-month remote usage varies greatly. Note that March 2011 was the first month during which 100% of telescope time was used remotely. 19

## NASA Time at the W. M. Keck Observatory



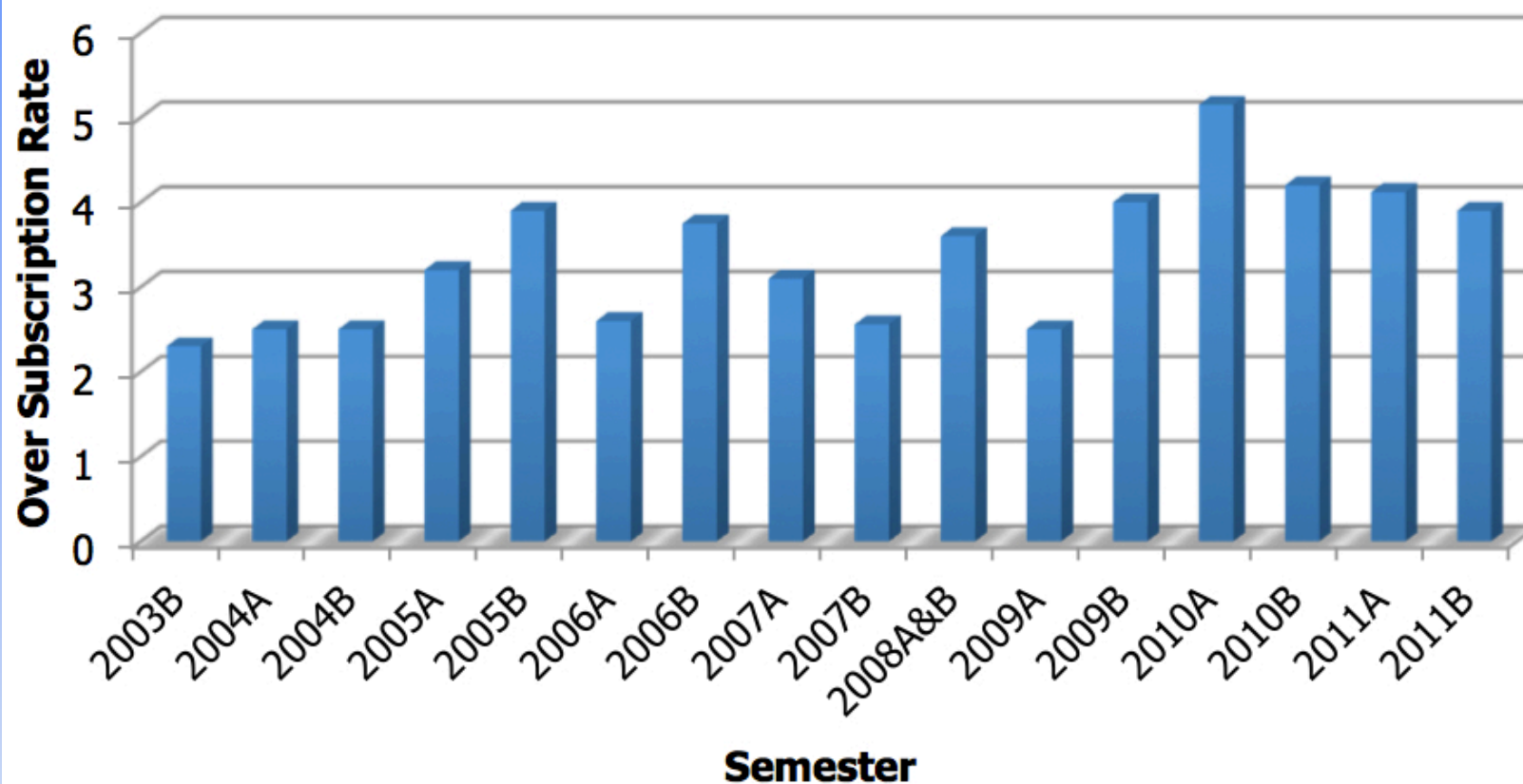
NASA receives and pays for one sixth of available Keck time, which is used for open competition and for key projects in support of NASA missions





## NASA Time at the W. M. Keck Observatory

### Total Keck Over Subscription Rate





# NASA Time at the W. M. Keck Observatory

## Nights Requested and Recommended - Semester 2011B

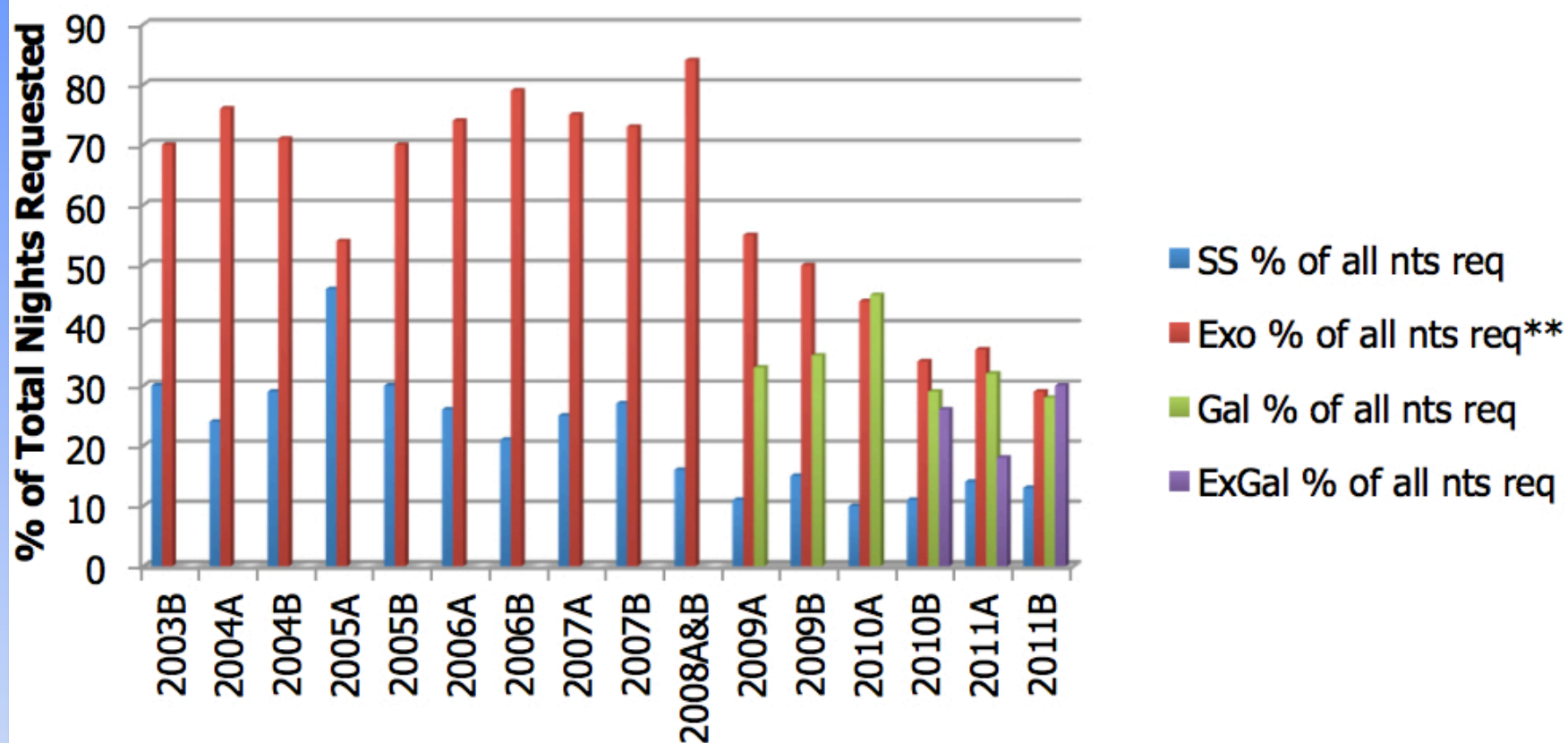
Subject	K1 Nights Requested	K2 Nights Requested	KI Nights Requested	Total Request	Percent
Exoplanet	19	12	3	34	29%
Galactic	2	19.5	12	33.5	28%
Extra-Galactic	12	23	0	35	30%
<u>Solar System</u>	1.5	14.5	0	16	13%
Totals	34.5	69	15	118.5	100%

Subject	K1 Nights Recmnded	K2 Nights Recmnded	KI Nights Recmnded	Total Recs	Percent
Exoplanet	4.7	1	0	5.7	18%
Galactic	0	7	3	10	33%
Extra-Galactic	1.5	8	0	9.5	31%
<u>Solar System</u>	0	5.5	0	5.5	18%
Totals	6.2	21.5	3	30.7	100%



# NASA Time at the W. M. Keck Observatory

## Nights Requested, 2003-2011

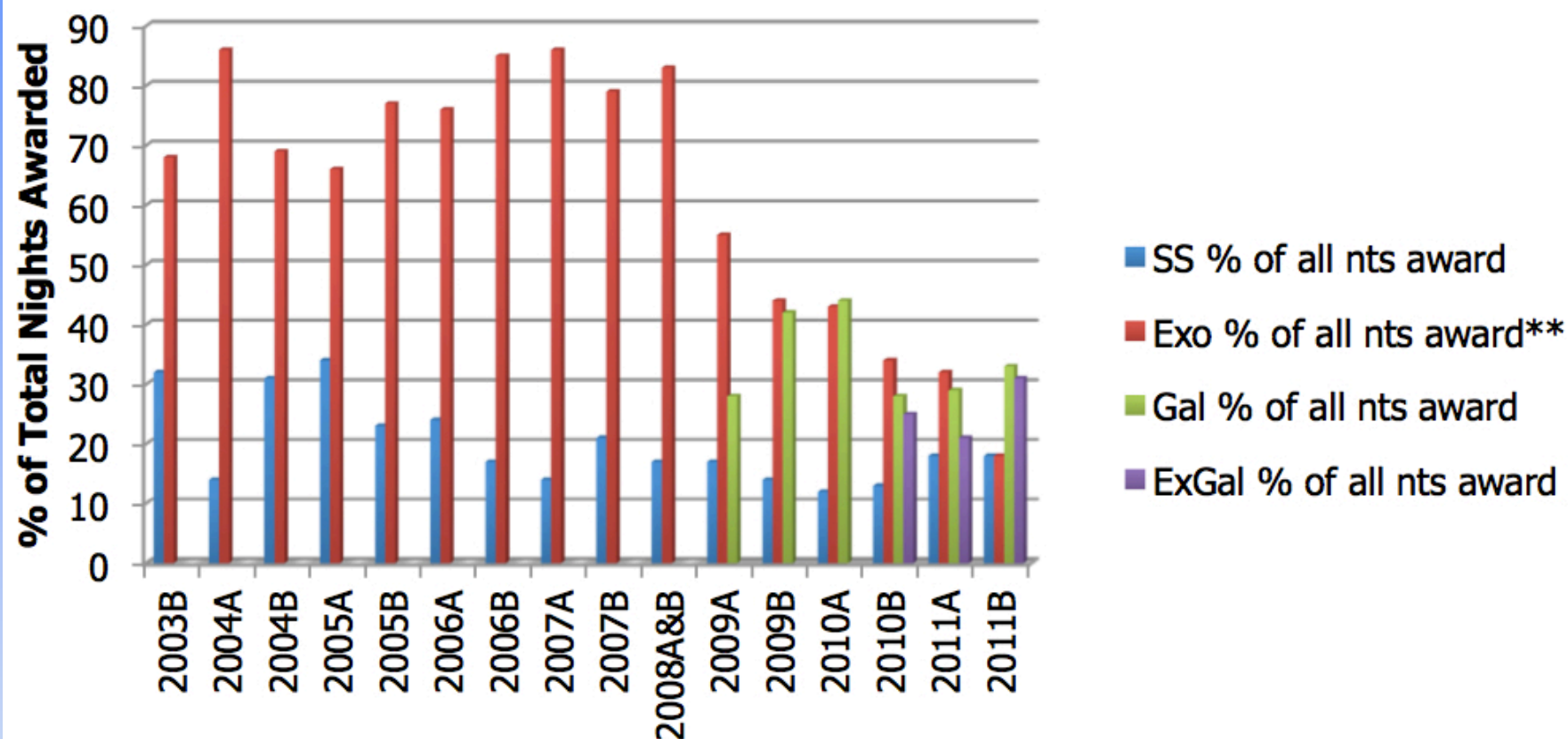






# NASA Time at the W. M. Keck Observatory

## Nights Awarded, 2003-2011

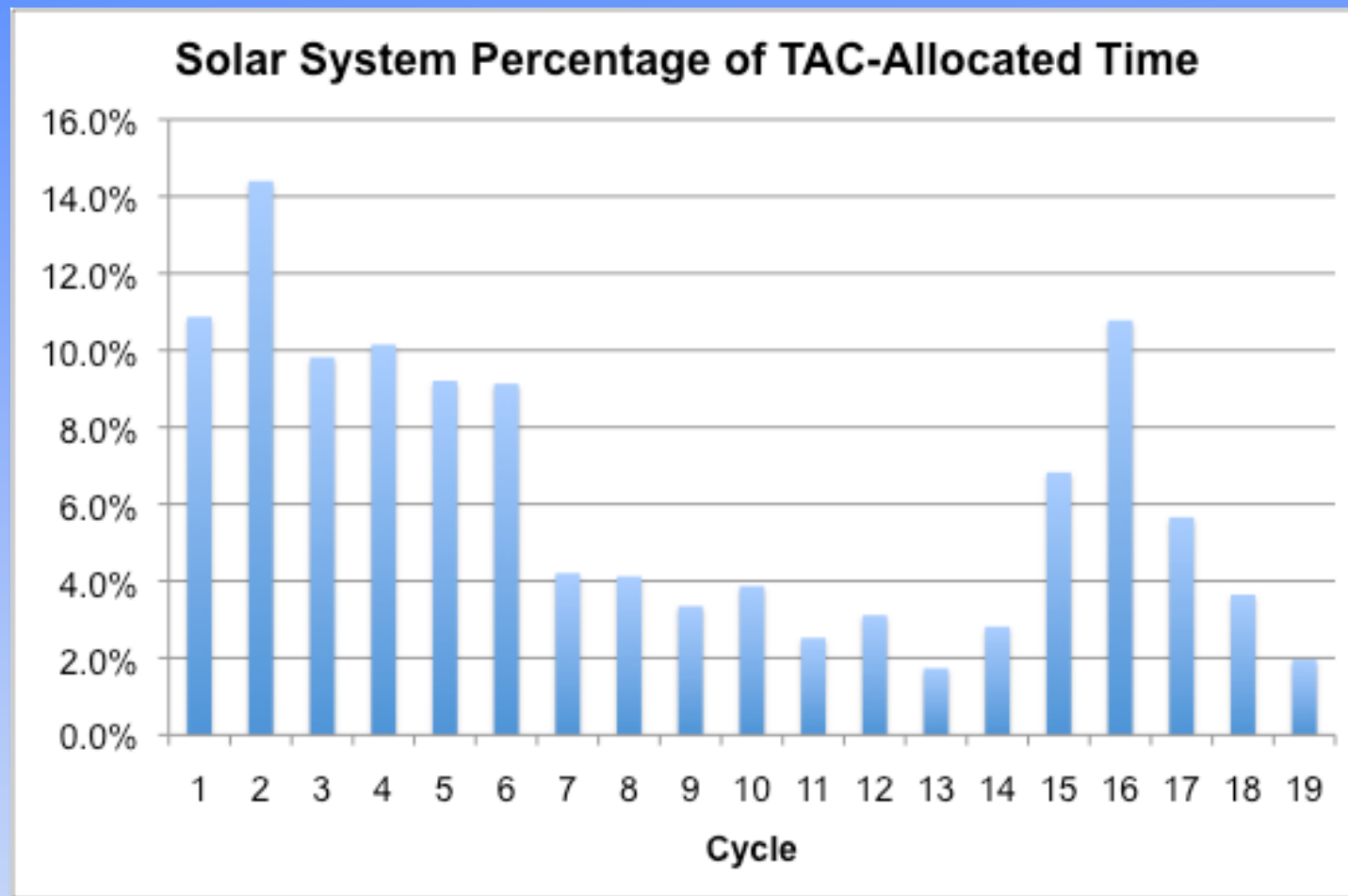


# Hubble Space Telescope





# Hubble Space Telescope







# Hubble Space Telescope

## Solar System Percentage of Allocated Time – All Cycles

	<b>TAC- Allocated Time</b>	<b>Director's Discretionary Time</b>	<b>Planned Snaps</b>
<b>Solar System</b>	5.8%	17.4%	8.2%

## SOFIA – Stratospheric Observatory For Infrared Astronomy



- Open competition (except for guaranteed time for instrument P.I.s)
- Cycle 1 call for proposals – deadline Jan. 27, 2012



To get more time for solar system investigations,  
the community must write more proposals...